

What is Claimed is:

1. A method for double-ended line qualification and monitoring of xDSL links, comprising:
  - transmitting a test program from a first subscriber at one end of the xDSL link to a second subscriber at the other end of the xDSL link,
  - execution of the line qualification and/or monitoring by this second subscriber by processing this test program and
  - sending the test results already obtained back to the first subscriber .
2. The method as claimed in claim 1, wherein the line qualification and/or monitoring is triggered after the code of the test program has been transmitted by the first subscriber .
3. The method as claimed in claim 1, wherein the first subscriber represents a modem at the switching end.
4. The method as claimed in claim 1, wherein the second subscriber represents a modem at the subscriber end.
5. The method as claimed in claim 1, wherein the test program represents a program module which is connected to other program modules via a message queue.
6. The method as claimed in claim 1, wherein the test program is used both for diagnostic and for real-time interpretation of the xDSL link .
7. The method as claimed in claim 1, wherein a line qualification and/or monitoring can also be carried out at the end of the first subscriber by processing this test program .
8. The method as claimed in claim 1, wherein the xDSL link can be an ADSL, a UDSL or an SDSL link.
9. A method for double-ended line qualification and monitoring of xDSL links comprising:

activating a test program of a second subscriber at one end of the xDSL link from a first subscriber by a command which causes the second subscriber to generate signals which are suitable for testing the line,

execution of the line qualification and/or monitoring by the second subscriber by processing the test program of the second subscriber, and

sending the test results obtained back to the first subscriber .

10. The method as claimed in claim 9, wherein the signals generated by the second subscriber are the signals which are generated during the training of the xDSL link .

11. The method as claimed in claim 9, wherein the data necessary for line qualification and monitoring are read out of a memory of the modem at the subscriber end or modem at the switching end, which contains a multiplicity of data which characterize the upstream and downstream data link, respectively.

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